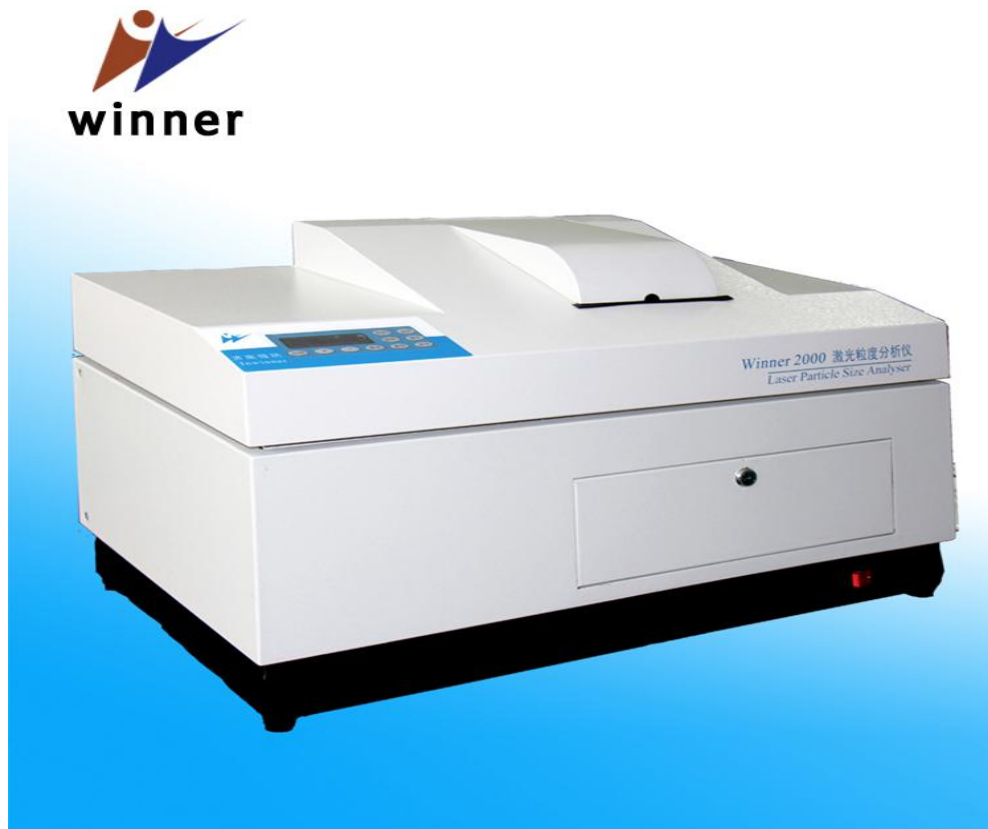


Winner2000B/E Wet Laser Particle Size Analyzer



Brief Introduction:

As high efficient-cost model, winner2000 laser particle size analyzer with wet dispersion is most economical and popular since launched, After more than ten years of tests and numerous technical improvements, the structure and software are very mature, stable performance, It could meet industrial testing general requirements.

Main Specification:

Model Name		Winner2000E	Winner2000B(3 Gears)
Standard		ISO13320-1:1999, GB/T19077.1-2008, Q/JWN001-2009	
Measuring Range		0.1-300 μ m	0.1-40 μ m /0.6-120 μ m/1-300 μ m
Channels Number		39	32 \times 3
Accuracy		<1% (National Standard Sample D50)	
Repeatability		<1% (National Standard Sample D50)	
Light source		High performance He-Ne Laser (λ = 632.8nm, P>2MW)	
Dispersion	Ultrasonic	Frequency:40KHz Power:35W, Time: \geq 1S	
	Stir	Revolutions Speed: 0-300RPM (Adjustable)	

Method	Circulate	Rated Flow:8L/min Rated Power:10W
	Sample Pool	Volume:350mL
	Micro-Sample Pool	Volume: 10mL (Optional)
Operation Mode		Display control+computer analysis
Optical Calibration System		Manual
Test Speed		<2mins for each time
Volume		L66cm×W32cm×H40cm
Net Weight		25Kg
Warranty		2 years

Main Features:

- 1)Mie Scattering Theory
- 2)High efficient-cost model, semi automatic key-operation.
- 3)Full builtin integrated disperse system, contains Ultrasonic stirring, ultrasonic dispersion and cycling system, prevent large particle sediment in the pipe.
- 4)developed unconstrained free fitting technology, make particle analysis not restricted by any function, truly reflect particles distribution, ensure the good accuracy.
- 5)Adopt Patented converging light Fourier transform light path, efficiently improve resolution ratio of sub-micron particles.
- 6)Main& auxiliary detectors are fan-shaped, guarantee the effective capture of the scattered signal.
- 7)Three Gears test technology highly improve resolution,apply to narrow distribution.

Software Function:

1, Analysis Mode

Free Distribution, R-R Distribution, Logarithm Normal Distribution, Mesh number classification etc. meet different demands of particle size statistic in different industries.

2,Statistic Method

Volume Distribution, Quantity Distribution

3,Statistic Comparison

Several Testing Results of samples

Different batches of samples testing result,

Samples before and after processing,

Test result of samples in different time.

4, User-defined Analysis

Figure out percentage according to the particle size

Figure out particle size according to the percentage

Figure out percentage according to the particle size range

Meet demands of representation of particle test in different industries.

5, Test Report

Word, Excel, Photo(Bmp), Text etc.

6, Multi-language Support

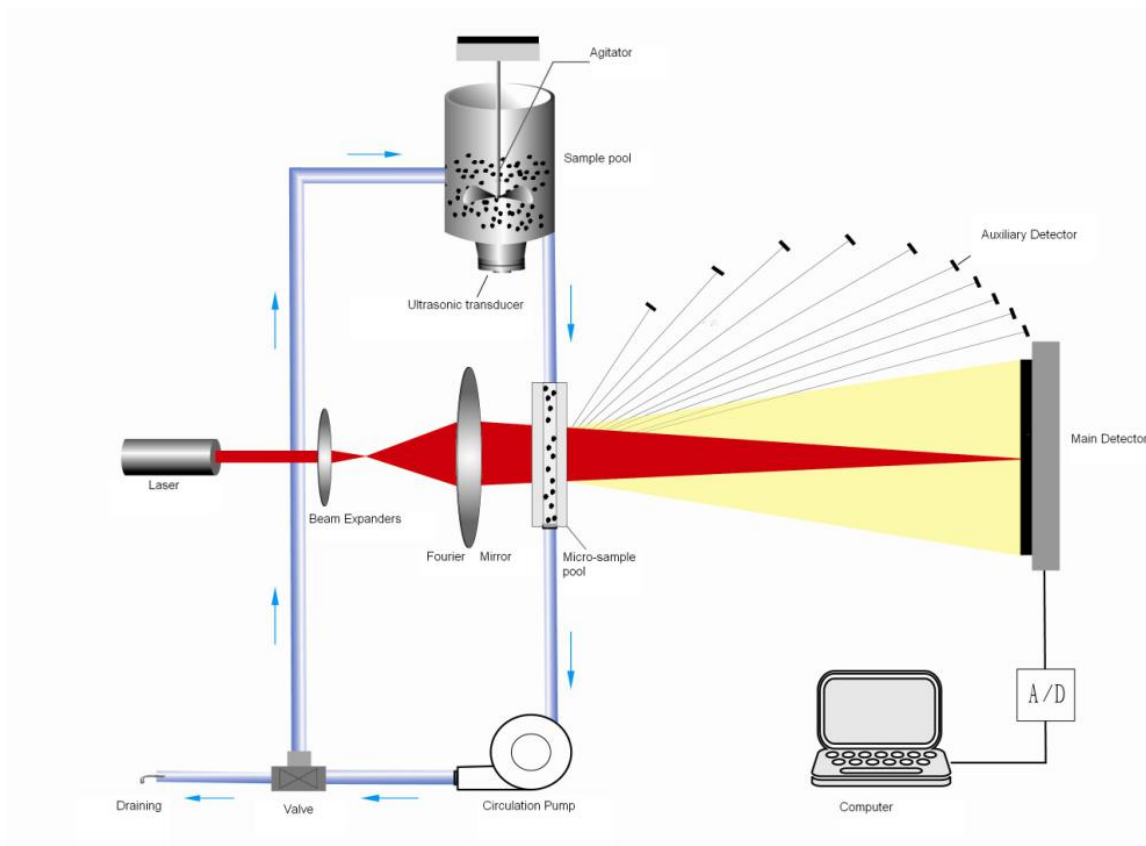
Chinese&English (Others are available)

7, Intelligent Operation Mode

Automatically control water inflow, dispersion, test and analysis.

Better Repeatability after remove human-factor

Instrument work principle:



Application:

Winner2000 is widely used for cement, ceramic, medicine, emulsion, dope, dye, padding, chemical products, catalyst, drilling fluid, abrasive, lubricant, braize, cell, germ, food, additive, pesticide, explosive, graphite, photosensitive material, fuel, ink, metal and nonmetal powder, calcium carbonate, kaolin, water-coal-slurry and other powder materials.

Operation Interface:

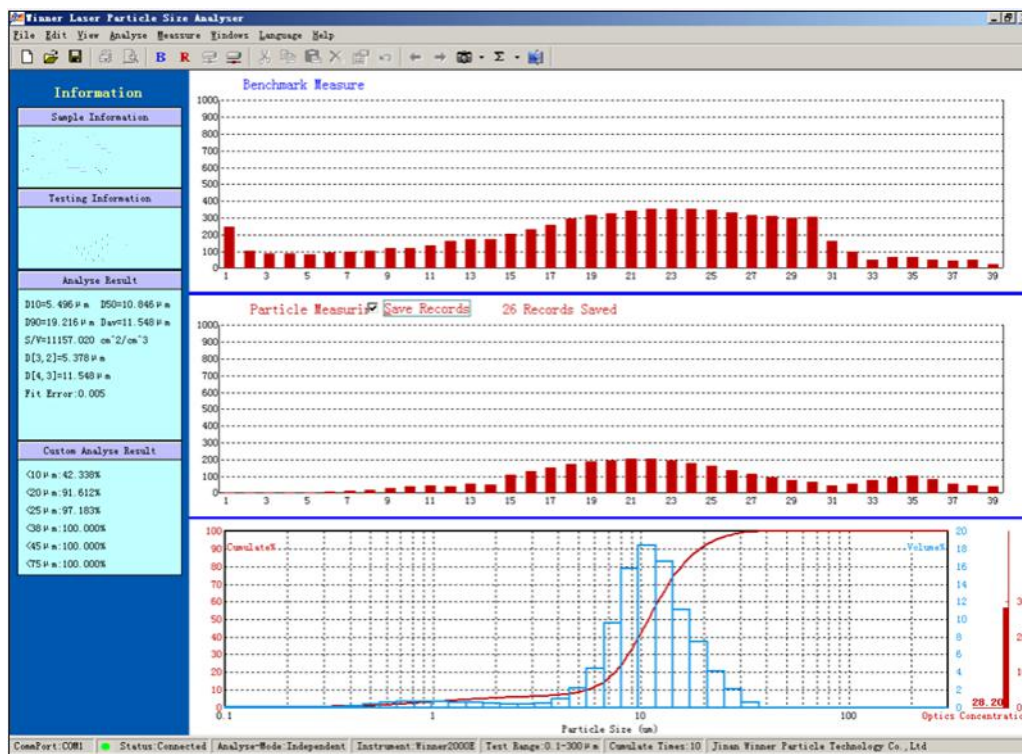
I Operation interface:

Run the software, access control systems interface, manually start the sample testing.

II Testing analysis interface and report

After completed test, according to requirement to select records, Average result will be calculated, system generate analysis records form. When test in automatic mode, without data processing, the system automatically get analysis report and save the test records

after a comprehensive analysis.



Patents Technology:

- Optical bench design is protected by patent No.- ZL 2014 2 0378380.8,
- MIE scattering principle application patent is protected by patent No.- ZL 2013 2 0812021.4.
- Wet circulation installation is protected by patent No.-ZL2010 2 0593526.2.